EXHIBIT 50

Page 1	Page 3
UNITED STATES DISTRICT COURT	1 INDEX
DISTRICT of MINNESOTA	2 EXHIBITS DESCRIPTION PAGE MARKED
In Day	3 Ex 1 Expert Report of Theodore R.
In Re: Bair Hugger Forced Air Warming	4 Holford, PhD 11 5 2 Holford curriculum vitae 11
Products Liability Litigation	6 3 Expert report of Jonathan M.
1 Todaets Externity Extigation	7 Samet 11
This Document Relates To:	8 4 Albrecht October 7, 2016
All Actions MDL No. 15-2666 (JNE/FLM)	9 deposition excerpts 23
	10 5 Augustine Biomedical + Design
	11 Research and Development
	12 Report, 9/14/2007 24
DEPOSITION of THEODORE R. HOLFORD	13 6 Article, Forced-Air Warming
VOLUME I, PAGES 1 - 386	14 Design: Evaluation of Intake
JULY 18, 2017	15 Filtration, Internal Microbial
	16 Buildup, and Airborne-
(The following is the deposition of THEODORE	17 Contamination Emissions, by 18 Reed, et al 28
R. HOLFORD, taken pursuant to Notice of Taking	19 7 Article, Predicting bacterial
Deposition, via videotape, at the Marriott Hartford	20 populations based on airborne
Downtown, 200 Columbus Boulevard, Hartford,	21 particulates: A study performed
Connecticut, commencing at approximately 9:20 o'clock	22 in nonlaminar flow operating
a.m., July 18, 2017.)	23 rooms during joint arthroplasty
	24 surgery, by Stocks, et al 46
	25 8 E-mail string, 3MBH00050770-1 50
Page 2	Page 4
1 APPEARANCES:	1 9 Article, Association of Airborne
2 On Behalf of the Plaintiffs:	2 Microorganisms in the Operating
3 Michael A. Sachet and Jan M. Conlin	Room With Implant Infections: A
CIRESI CONLIN L.L.P. 4 225 South 6th Street, Suite 4600	4 Randomized Controlled Trial, by
Minneapolis, Minnesota 55402	5 Darouiche, et al 54
5	6 10 Proceedings of the International
On Behalf of Defendants:	7 Concensus Meeting on Peri-
Corey L. Gordon	8 prosthetic Joint Infection 67
7 BLACKWELL BURKE P.A.	9 11 Van Duren March 7, 2017
432 South Seventh Street, Suite 2500 8 Minneapolis, Minnesota 55415	10 transcript excerpt 77 11 12 Article, Convection warmers
9 ALSO APPEARING:	12 Article, Convection warners 12 a possible source of contamination
10 Ronald M. Huber, Videotechnician	13 in laminar airflow operating
11 12	theatres? by Tumia, et al 80
13	15 13 Article, Forced-air warming
14	and ultra-clean ventilation do
15 16	not mix, by McGovern, et al 94
17	18 14 Computer printout, AUGUSTINE_
	19 0005193-487 104 20 15 Albrecht October 7, 2016
18	I ZU D ADDECHI UCIODEE / ZUID
19	?
	deposition excerpt 123
19 20 21 22	21 deposition excerpt 123 22 16 LogisticRegression analysis,
19 20 21 22 23	21 deposition excerpt 123 22 16 LogisticRegression analysis,
19 20 21 22	21 deposition excerpt 123 22 16 LogisticRegression analysis, 23 Albrecht, March 11, 2016,

1 (Pages 1 to 4)

	Page 93		Page 95
1	on the tabulation of the data; correct?	1	Exhibit 13. The title is "Forced-air warming and
2	MR. GORDON: Object to the form of the	2	ultra-clean ventilation do not mix" by McGovern et al;
3	question.	3	correct?
4	A. I I suppose he might have. I mean the	4	A. Correct.
5	other the other authors certainly did.	5	Q. I do not know whether you will need the
6	Q. And that's why you reviewed their deposition	6	study to answer these questions, but feel free to
7	testimony; correct?	7	refer to it as you see fit.
8	A. That's that's part of what I what I	8	There were two components to this study;
9	what came out of my review of their testimony, yes.	9	correct?
10	Q. Is	10	A. That's correct.
11	So everything that's been marked on page 14	11	Q. There was a study of bubbles in an
12	of your report, in addition to the recent Augustine	12	experimental setting, and then there was the
13	study, are the materials that you reviewed in drafting	13	observational data aspect of the study; correct?
14	your report and providing testimony today.	14	A. Yes.
15	A. Well the recent Augus Augustine study I	15	Q. And the first part of the study, which we've
16	saw after	16	discussed a little bit, found a significant increase
17	Q. Yes.	17	in the amount of bubbles over the surgical site in
	A this was submitted, so that's not on here	18	this experimental study when the Bair Hugger was used
18 19	A this was submitted, so that's not on here because I I hadn't seen it when I wrote this.	19	compared to a conductive warming device; correct?
20		20	-
	Q. But that's the totality of evidence up to	1	A. That's what they report, yes.
21	this point in time.	21 22	Q. Okay. And the second part, which involved
22	A. That's pretty much it, yes. Yes. MR. GORDON: I I think he also reviewed	1	the observational data set, involved 1,437 patients;
23		23	correct?
24	the Samet testimony about the Augustine article.	24	A. I think that's right.
25	THE WITNESS: Oh, I'm sorry, yes.	25	Q. Table II, you might have to do a little
	Page 94		Page 96
1	MR. SACCHET: Okay.	1	math,
2			mam,
	THE WITNESS: There was also that.	2	A. Yeah.
3	THE WITNESS: There was also that. Q. Okay. So no other articles other than	I	<i>'</i>
		2	A. Yeah.
3	Q. Okay. So no other articles other than	2 3	A. Yeah.Q or I believe on page 1541 you'll see it
3 4	Q. Okay. So no other articles other than what's been listed on page 14.	2 3 4	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner.
3 4 5	Q. Okay. So no other articles other than what's been listed on page 14.A. No.	2 3 4 5	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay.
3 4 5 6	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside 	2 3 4 5 6	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups.
3 4 5 6 7	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. 	2 3 4 5 6 7	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right.
3 4 5 6 7 8	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of 	2 3 4 5 6 7 8	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437.
3 4 5 6 7 8	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but 	2 3 4 5 6 7 8	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years;
3 4 5 6 7 8 9	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent 	2 3 4 5 6 7 8 9	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct?
3 4 5 6 7 8 9 10	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? 	2 3 4 5 6 7 8 9 10	 A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes.
3 4 5 6 7 8 9 10 11	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. 	2 3 4 5 6 7 8 9 10 11	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540
3 4 5 6 7 8 9 10 11 12	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 	2 3 4 5 6 7 8 9 10 11 12 13	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah.
3 4 5 6 7 8 9 10 11 12 13	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. 	2 3 4 5 6 7 8 9 10 11 12 13 14	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint
3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. 	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data."
3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right.
3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the McGovern study," which is the one that you discuss in	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of interest; correct?
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the McGovern study," which is the one that you discuss in your report; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of interest; correct? A. That's correct.
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the McGovern study," which is the one that you discuss in your report; correct? A. Yes.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of interest; correct? A. That's correct. Q. And there were three warming phases, there
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the McGovern study," which is the one that you discuss in your report; correct? A. Yes. (Exhibit 13 was marked for	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of interest; correct? A. That's correct. Q. And there were three warming phases, there was the Bair Hugger period, a transitional period, and
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	 Q. Okay. So no other articles other than what's been listed on page 14. A. No. Q. And no other deposition transcripts aside from Samet and I think you said Augustine. A. I saw I saw just a couple of pages of of Augustine, but Q. Okay. Did you perform any independent investigation outside of what was provided to you? A. No. Q. So everything that you're relying on is what 3M provided to you. A. That's correct. Q. Okay. With respect to the McGovern study, I'd like to review that quickly. I assume that we are on the same page, doctor, with calling this study "the McGovern study," which is the one that you discuss in your report; correct? A. Yes. (Exhibit 13 was marked for identification.) 	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Yeah. Q or I believe on page 1541 you'll see it in the bottom left-hand corner. A. Yeah. Okay. Yeah, 1066 and 371 are the two groups. Q. Which adds up though 1437. A. Okay. Yeah, right. Q. And the the study period was 2.5 years; correct? A. I think that's right, yes. Q. You can look at page 1540 A. Yeah. Q on the left-hand side under "Joint Infection data." A. Right. Q. And deep joint infections as opposed to superficial or wound infections was the outcome of interest; correct? A. That's correct. Q. And there were three warming phases, there was the Bair Hugger period, a transitional period, and a conductive warming period; correct?

24 (Pages 93 to 96)

	Page 97		Page 99
1	a change in the antibiotic; correct?	1	MR. GORDON: Object to the form of the
2	A. That's correct.	2	question.
3	Q. The first antibiotic was Gentamicin;	3	A. I don't under what do you mean by
4	correct?	4	What is "marked?"
5	A. Yes.	5	Q. Have you asked Dr. Borak?
6	Q. And the second antibiotic was Gentamicin	6	A. The meaning of
7	plus Teicoplanin.	7	It's it's not a quantitative term that
8	A. That's correct.	8	I'm familiar with.
9	Q. Are you comfortable referring to that	9	Q. So to the extent that Dr. Borak used that
10	protocol as GenTeic?	10	language in his report, you wouldn't feel comfortable
11	A. Okay.	11	with the same language.
12	Q. There was also a change in the	12	A. I'm not fam
13	thromboprophylaxis.	13	I have not read his report. I mean it's
14	A. That's right.	14	a it's a it's a it's a substantial it's a
15	Q. The first thromboprophylaxis was tinzaparin	15	big decline, yes.
16	during the Bair Hugger arm of the study; correct?	16	Q. A big decline.
17	A. Yes.	17	A. It is a big difference.
18	Q. And in the last six months of the Bair	18	Q. And the p-value reported in Table II is
19	Hugger arm there was a change to rivaroxaban; correct?	19	.024; correct?
20	A. That's correct.	20	A. That's that is the reported value, yes.
21	Q. Are you okay with referring to rivaroxaban	21	Q. And that reported p-value is statistically
22	as Xarelto?	22	significant based on the 95 percent confidential
23	A. Okay.	23	interval; correct?
24	Q. It's just the pharmaceutical name of of	24	A. I would disagree with your language.
25	that thrombo.	25	Q. Okay. It's maybe not meaningful. I
1	And in the Hot Dog period patients went back	1	apologize.
2	and received tinzaparin as opposed to Xarelto;	2	A. Yeah. It it is significant at the
3	correct?	3	five percent level, yes.
4	A. That's correct.	4	Q. Okay. So I always say this wrong, but
5	Q. Okay. So results reported in Table II of	5	perhaps you can edify me. If you have a statistically
6	this study show that three out of 371 patients	6	significant p-value using a 95 percent or five five
7	developed a deep joint infection in 60 days; correct?	7	percent threshold,
8	A. That's correct.	8	A. Yes.
9	Q. And the percentage of that infection rate is	10	Q does that mean that if you repeated the
10	.8 percent; correct?	10	study a hundred times using the same a similar
11	A. Correct.	11	population of patients, that you would expect the same
12	Q. As also reported in Table II, 32 out of	12	outcome at least 95 95 times out of a hundred?
13	1,066 patients developed a deep joint infection after	13	A. No.
14	receiving the Bair Hugger warming; correct?	14	Q. Okay. What
15	A. That's correct.	15	So please edify.
16 17	Q. The change from the infection rate of the	16 17	A. What that means is if if there is no
17 18	Bair Hugger Which is three percent: correct?	18	association and you repeat the study, you're comparing
1.0	Which is three percent; correct?	19	two groups where there is no effect, then just five percent of the time you will reject the you will
	A. Yes.	20	reject the the null hypothesis, which is that there
19		1	is no effect.
19 20	Q to the .8 percent is a marked decline; is	21	13 110 111111
19 20 21	it not?	21	
19 20 21 22	it not? MR. GORDON: Object to the form of the	22	Q. Okay. So is another way to think about it
19 20 21 22 23	it not? MR. GORDON: Object to the form of the question.	22 23	Q. Okay. So is another way to think about it is there's a five-percent chance of getting a false
19 20 21 22	it not? MR. GORDON: Object to the form of the	22	Q. Okay. So is another way to think about it

25 (Pages 97 to 100)

	Page 125		Page 127
1	remember exactly where where it is.	1	Q. Yeah.
2	Reed said it.	2	A. Yeah.
3	Q. This is Mr. Albrecht. Do you think Mr.	3	Q. And Mr. Albrecht in this testimony is saying
4	Albrecht said there was an error?	4	he doesn't know whether it's the final data set.
5	A. I seem to recall he that that there	5	A. Okay.
6	was. I don't remember exactly where where it is.	6	Q. And Mr. Albrecht also said in the testimony
7	It's a fairly long report.	7	we read a moment ago that there were three infections
8	Q. Let's keep going then. If you can go to	8	in the Hot Dog arm that were analyzed with respect to
9	internal page 142, page 37 at the bottom, line 16, Mr.	9	the paper; correct?
10	Gordon asked, "I have something that's going to help.	10	A. That's
11	But first I want to establish that that is a	11	He's, I assume, re reporting back what
12	printout of the data that Dr. Reed would have provided	12	what was actually published in the paper, what this
13	to you and from which you generated your statistical	13	tabulation that's in the paper showed.
14	analysis that became the observational component of	14	Q. He says the data set that was analyzed there
15	Exhibit 8."	15	was three.
16	Do you see that question?	16	A. So what is he referring
17	A. Yes.	17	When he says "data set," what does he mean?
18	Q. I'll represent to you that Exhibit 8 is the	18	I don't know quite what he what he's referring to.
19	McGovern study	19	Is he referring to the data the tabulation that was
20	A. Okay.	20	made from the data, or is he talking about the the
21	Q and I'll also represent to you that the	21	original file?
22	data set that Mr. Gordon is referring to is Albrecht	22	Q. You're aware that not even Mr. Gordon knows
23	Exhibit 10.	23	whether Exhibit 10 is the final data set; correct?
24	A. Okay.	24	MR. GORDON: Object to the form of the
25	Q. The answer is, "I'm assuming, but there's no	25	question, lack of foundation.
	Page 126		Page 128
-			5
1	way for me to verify something like this."	1	A. I don't know what Mr. Gordon knows or
2	A. Okay.	2	A. I don't know what Mr. Gordon knows or doesn't know about that.
	A. Okay.Q. So Mr. Albrecht didn't know whether or not	2 3	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the
2	A. Okay.Q. So Mr. Albrecht didn't know whether or notAlbrecht Exhibit 10 was the final data set, correct,	2 3 4	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor?
2 3 4 5	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony?	2 3 4 5	 A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay.
2 3 4 5 6	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I 	2 3 4 5 6	 A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And
2 3 4 5	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. 	2 3 4 5 6 7	 A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if
2 3 4 5 6 7 8	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. 	2 3 4 5 6 7 8	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data"
2 3 4 5 6 7 8	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I	2 3 4 5 6 7 8	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either."
2 3 4 5 6 7 8 9	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? 	2 3 4 5 6 7 8 9	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that?
2 3 4 5 6 7 8 9 10	 A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the 	2 3 4 5 6 7 8 9 10	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay.
2 3 4 5 6 7 8 9 10 11	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior	2 3 4 5 6 7 8 9 10 11	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final
2 3 4 5 6 7 8 9 10 11 12	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony.	2 3 4 5 6 7 8 9 10 11 12	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the
2 3 4 5 6 7 8 9 10 11 12 13	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit	2 3 4 5 6 7 8 9 10 11 12 13 14	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set?	2 3 4 5 6 7 8 9 10 11 12 13 14	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original."
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?"	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?" Q. Well you've already said that the data set	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay. Q. Mr. Gordon doesn't know if Exhibit 10 is the
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?" Q. Well you've already said that the data set that is in Albrecht 10 is not the data that was in the	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay. Q. Mr. Gordon doesn't know if Exhibit 10 is the original data set.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?" Q. Well you've already said that the data set that is in Albrecht 10 is not the data that was in the study; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay. Q. Mr. Gordon doesn't know if Exhibit 10 is the original data set. A. Okay.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?" Q. Well you've already said that the data set that is in Albrecht 10 is not the data that was in the study; correct? A. A tabulation based on based on that	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay. Q. Mr. Gordon doesn't know if Exhibit 10 is the original data set. A. Okay. Q. Mr. Albrecht also doesn't know whether
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. Okay. Q. So Mr. Albrecht didn't know whether or not Albrecht Exhibit 10 was the final data set, correct, based on this testimony? A. I I Yeah. Apparently, yeah. Q. But you have concluded that, based on Mr. Albrecht's testimony, that Albrecht Exhibit 10 is the final data set; is that correct? MR. GORDON: Object to the form of the question, misstates his test misstates prior testimony. Q. Is your testimony not that Albrecht Exhibit 10 is the final data set? MR. GORDON: Same objection. A. I don't I don't I'm taking Exhibit 10 as it as it as it is. I mean what What do you mean by "final data set?" Q. Well you've already said that the data set that is in Albrecht 10 is not the data that was in the study; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I don't know what Mr. Gordon knows or doesn't know about that. Q. Let's look at page 163, which is 42 at the bottom. Are you there, doctor? A. Okay. Q. Line 17, Mr. Gordon asks or states, "And I want to make it very clear, I have no idea if Exhibit 10 is the original data" Albrecht answers: "I don't either." Do you see that? A. Okay. Q. So Mr. Gordon doesn't know if it's the final data set, Mr. Albrecht doesn't know whether it's the final data set, Mr. Borak in his report uses the word "apparent" data set, you don't know whether it's the final data set A. Well the question is not "final," question is "original." Q. Okay. So let's say the original data set. A. Okay. Q. Mr. Gordon doesn't know if Exhibit 10 is the original data set. A. Okay.

32 (Pages 125 to 128)

	Page 129		Page 131
1	A. Yeah.	1	Mr. Albrecht has said that the data set that was
2	Q. Mr. Borak also doesn't know whether Exhibit	2	analyzed, there was three deep joint infections.
3	10 is the original data set.	3	A. Yes.
4	A. Okay.	4	Q. You're making that assumption even though
5	Q. And you don't know.	5	Mr. Gordon said that Exhibit 10, he didn't know
6	A. I don't.	6	whether it was the original data set.
7	Q. To the extent that you rely on Albrecht	7	MR. GORDON: You're you're actually
8	Exhibit 10, not knowing whether or not it's the	8	You're reading only a portion of the
9	original data set, it could be a data artifact issue;	9	testimony and you're
10	could it not?	10	MR. SACCHET: I think you're testifying
11	MR. GORDON: Object to the form of the	11	right now, Mr. Gordon.
12	question.	12	MR. GORDON: Well no. I mean
13	A. If if there's an error in in	13	But come on.
14	I mean if if the file is not the correct	14	MR. SACCHET: I'm
15	data, then there there could be there there	15	MR. GORDON: If you're going to quote me,
16	would be a problem with with the analysis.	16	quote what I said; don't make don't don't
17	Q. And and you don't know whether or not	17	MR. SACCHET: Okay.
18	there is a problem with the data.	18	MR. GORDON: don't screw up the record by
19	A. I don't know. I don't know if there is or	19	selectively quoting half of what I said.
20	if there is not.	20	MR. SACCHET: Yeah. I'll read the sentence.
21	Q. You know that there's a missing page.	21	MR. GORDON: Read the whole sentence.
22	A. You	22	MR. SACCHET: "And I want I want to make
23	There is one missing page.	23	it very clear, I have no idea if Exhibit 10 is the
24	Q. You know that the missing page contains or	24	original data"
25	may not contain information regarding deep joint	25	MR. GORDON: And you see the thing it says
	Page 130		Page 132
1	infection during the Bair Hugger study period;	1	after that? It says dash
2	correct?	2	MR. SACCHET: Dash.
3	A. It was	3	MR. GORDON: and continues on with the
4	I wasn't looking at the individual pages, as	4	rest of what I said.
5	I've as I've said,	5	MR. SACCHET: "or the the newer data
6	Q. Yeah.	6	that's slightly conflicted."
7	A and and my under I	7	Q. Does that change your mind?
8	I don't know if this is the same data set	8	A. What is the question?
9	that that Albrecht was was looking at when he	9	Q. The question is: Mr. Albrecht has said that
10	did the his his calculations.	10	there was three infections in the Hot Dog period based
	O TEL 1		= =
11	Q. Thank you.	11	on the data that was analyzed.
11 12	Q. I nank you. Do you have any other reason to assume that	11 12	on the data that was analyzed. A. Yes.
	Do you have any other reason to assume that		A. Yes.
12		12	A. Yes.Q. Mr. Gordon has said he doesn't know if
12 13	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set?	12 13	A. Yes.
12 13 14	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question.	12 13 14	A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data
12 13 14 15	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the	12 13 14 15	A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted.
12 13 14 15 16	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the	12 13 14 15 16	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes.
12 13 14 15 16 17	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony? Q. Why is it?	12 13 14 15 16 17	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be.
12 13 14 15 16 17	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony?	12 13 14 15 16 17 18	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be. A. Yes.
12 13 14 15 16 17 18 19	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony? Q. Why is it? A. Yeah. How did it get there?	12 13 14 15 16 17 18 19	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be.
12 13 14 15 16 17 18 19 20	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony? Q. Why is it? A. Yeah. How did it get there? Q. Mr. Gordon marked A. Okay.	12 13 14 15 16 17 18 19 20	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be. A. Yes. Q. You just told me that you're assuming
12 13 14 15 16 17 18 19 20 21	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony? Q. Why is it? A. Yeah. How did it get there? Q. Mr. Gordon marked	12 13 14 15 16 17 18 19 20 21	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be. A. Yes. Q. You just told me that you're assuming Albrecht Exhibit 10 is the final data set.
12 13 14 15 16 17 18 19 20 21	Do you have any other reason to assume that Albrecht Exhibit 10 is the original or final data set? MR. GORDON: Object to the form of the question. A. I mean why is Exhibit 10 as part of the Albrecht testimony? Q. Why is it? A. Yeah. How did it get there? Q. Mr. Gordon marked A. Okay. Q Exhibit 10 at the deposition.	12 13 14 15 16 17 18 19 20 21 22	 A. Yes. Q. Mr. Gordon has said he doesn't know if Exhibit 10 is the original data or the newer data that's slightly conflicted. A. Yes. Q. Dr. Borak has said that it apparently could be. A. Yes. Q. You just told me that you're assuming Albrecht Exhibit 10 is the final data set. MR. GORDON: I object to the form of the

33 (Pages 129 to 132)

Page 223 Page 221 1 the -- with the confidence interval is it kind of 1 A. Well the accuracy depends on -- on the -- on 2 depends on the logarithm, so it's more on the log 2 the --3 scale, so that's part of what happens. I mean this 3 Q. Cross product. 4 odds ratio is 4.77, so it's quite a bit bigger than 4 A. Well the point estimate is the cross 5 the odds ratios we were finding associated with Bair 5 product. The -- the confidence interval depends on 6 6 Hugger use. So that's -- that's of course just a this Fisher-like distribution. It's not --7 7 point estimate, and so we're talking about a higher It's an exact kind of calculation that --8 8 range, so the range is going to be -- going to tend to that -- that's involved, but it's kind of a lengthy 9 9 be somewhat wider because -- because we're up there. calculation that roughly depends on the standard 10 10 And of course the -- the total sample size, total 11 number of individuals involved is -- is quite a bit 11 Q. So I might need to back up because I don't 12 smaller than -- than -- because it -- it's just 12 know if I'm fully understanding what you're saying. 13 13 But the odds ratio reported in the McGovern study was 14 It comes out to be a subset of the -- of the 14 3.8; correct? 15 Bair Hugger study because it's only the Bair Hugger 15 A. Yes. 16 period, so it's reduced in that way, and then the 16 Q. And then in your report on page two you say 17 other thing is that it's not the entire period, it's 17 the odds ratio for this comparison is 2.76, and 18 just part of it, so we -- you're splitting that data 18 what --19 set up. And so your total sample size has gone down, 19 A. That's in the tabulation I used, yes. 20 and that increases the -- that decreases the sample 20 Q. -- what data are you using to derive that 21 21 size and in general makes the estimates less precise. odds ratio? 22 Q. But there's no doubt that the confidence 22 A. The --23 interval in this Jensen reanalysis, which is in your 23 MR. GORDON: Arithmetically, or the 2.4 report on page five, is double the width of the 2.4 underlying data? 2.5 McGovern confidence interval; correct? 25 MR. SACCHET: Arithmetically. Page 222 Page 224 1 A. That seems to be what it is, yes. 1 A. Well it's the -- it's the -- two point --2 Q. That is what it is. 2 Where is that? Oh, here we are. Okay. 3 A. Okay. Yeah. 3 Yeah. That's based on this -- this table that is the 4 Q. Your report also states that when applying 4 four out of 372 and 31 out of 1065. 5 Albrecht Exhibit 10 and McGovern Exhibit 16, that the 5 Q. And where did you get that data? 6 p-value -- or that the odds ratio is 2.76 when using 6 A. That's from -- from --7 7 Fisher's exact; correct? Was it Albrecht 10? 8 A. Well that -- that -- yeah. And that --8 Q. Okay. You would agree that that odds ratio 9 that's not --9 is still above 2.0; correct? 10 10 A. Yes. The -- the test, the Fisher's exact, has to 11 11 Q. Would you agree that an odds ratio of 2.0 is do with the p-value, not the -- not the estimate of 12 12 often referred to as a doubling of the risk? what the odds ratio is. 13 13 Q. So on page two of your report when you say A. It -- it is, yeah. 14 the odds ratio for this comparison is 2.76, where did 14 Q. And -- and that means you're 50 percent more 15 15 likely to experience the outcome after exposure to the you get that from? 16 A. That's just a cross-product ratio for that 16 variable than the count as actual? 17 table. 17 MR. GORDON: Object to the form of the 18 Q. And is that -- okay. 18 question. 19 So the 2.76 derives from Albrecht Exhibit 10 19 A. Well if -- what it would imply, if -- if --20 and McGovern Exhibit 16. 2.0 if the odds ratio was -- if the --21 21 A. That's right. It's a tabulation of those The odds ratio is actually a ratio of odds. 22 data. I mean it's --22 The statement that you made as -- is re -- is 23 Yeah. 23 related -- you state it as a ratio of -- of risks, 24 Q. And it's only accurate insofar as those 24 which would typically mean a ratio of the -- of the 25 exhibits are accurate; correct? 25 incidence rates.

56 (Pages 221 to 224)

Page 227 Page 225 1 O. Okav. A. That's right. 1 2 A. So when the incidence rates are small, those 2 Q. They are two different time periods; 3 two are very similar, okay, and so they're roughly 3 correct? 4 used in that way. So an odds ratio of two, it's --4 A. That's correct. 5 strictly speaking it's twice the odds of getting an 5 Q. That's an apples-to-orange comparison; isn't 6 infection, although it's going to be very close as --6 7 7 to -- to twice the incidence. MR. GORDON: Object to the form of the 8 Q. Okay. 8 question. 9 A. So if -- well if -- if you're saying that 9 Q. Let me put it this way: It's not externally 10 the -- the Hot Dog is the norm and the odds ratio is 10 generalizable. 11 two, that would say that the Bair Hugger has twice the 11 A. It's not --12 risk. 12 What do you mean? 13 Q. Okay. 13 Q. It's not externally valid. I mean if -- if 14 A. That's how -- how you would roughly 14 you're looking at a date range of 2010 to 2015, you 15 interpret that statement. 15 don't know for sure whether that --16 Q. Okay. 16 A. Yeah. 17 A. Depending on whether or not -- whether that 17 Q. -- infection rate should apply to prior 18 statement is correct we might disagree on, but --18 years; do you? 19 Q. So if the incidence of disease in an exposed 19 A. Well if -- if things are reasonably --20 group is more than twice the incidence in the 20 I mean the -- the assumption there is that 21 unexposed group, the probability that exposure to the 21 there's not a huge temporal trend going on in 22 agent caused a similarly situated individual is also 22 infection rates in the U.K., and so my -- my 23 greater than 50 percent; correct? 23 assumption is -- I -- I didn't have --2.4 A. If -- if that estimate is -- is accurate, 24 Ideally, I would have had the data for the 2.5 that's roughly what it would -- what it would be --25 same years. I didn't. Page 226 Page 228 1 what it -- what it would mean. 1 Q. Okay. 2 2 Q. Thank you. A. And so I used the best data that I could get 3 Okay. I'd like to talk a little bit about 3 ahold of to -- to see what the experience was at other 4 the other section of your report which deals with the 4 hospitals using Bair Hugger at this time to get a 5 time trend infection rates at Wansbeck, and I guess 5 comparison of how Wansbeck fit -- fit in with the --6 really the -- the big header is "Infection rate 6 with the experience at other hospitals. 7 7 comparison among hospitals" starting on page three, at Q. Did you try to get data from 2008 to 2009? 8 the bottom of page three, and then continuing into 8 A. I didn't have -- I didn't have a -- didn't 9 four and five. 9 come across a good way of doing that. 10 10 So to be clear, in your report you note that Q. Okay. But you recognize that it's two 11 there is a .6 percent infection rate among NHS trust 11 different time periods. 12 in 2010 to 2015; correct? 12 A. Yes, I do. Uh-huh. 13 13 Q. Are you aware of infection rates in the A. Yes. 14 Q. And when you cite a 2.9 percent infection 14 United States as opposed to infection rates reported 15 rate at the top of page four, that is based also on 15 by the NHS in the U.K.? 16 the Albrecht Exhibit 10 and McGovern Exhibit 16 data; 16 A. No. I don't know what the rates are in the 17 correct? 17 U.S. 18 A. That's right. 18 Q. So you do not know whether the rates of 19 Q. And to be clear, that infection rate as it 19 infection as reported in the McGovern study are 2.0 relates to Bair Hugger patients was during the 2008 20 comparable to rates in the United States. 21 and 2009 time period; correct? 21 A. I don't have a direct es -- estimate of 22 22 rates in the United States. My assumption is that A. That's correct. 23 Q. So you are comparing an infection rate of 23 they're not too different, but --24 Bair Hugger patients in 2008 and 2009 to an infection 24 Q. But --25 rate from 2010 to 2015. 25 A. -- I don't know. I don't have the data.

57 (Pages 225 to 228)

Page 245		Page 247
A. That's that's that's what he reported.	1	provided. These were the data that I had available to
Q. Are you aware that Dr. Reed also testified	2	me.
that to rely on data prior to July 1st, 2008 would be,	3	Q. But
quote, very unreliable, end quote?	4	So I just want to be clear. Based on what
A. That's what he reported.	5	you just said, it's either possible that full
I mean related to this, I mean there's a	6	surveillance began on July 1st, 2008 or
there was a review of of the procedures that they	7	A. Yes.
were using that's referred to in one of the other	8	Q perhaps even January 1st, 2009,
papers	9	A. So what
What is the author? Starts with a G.	10	Yeah.
Gissell?	11	Q but you nonetheless constructed your
Q. Gillson.	12	model on data that was prior to that time; correct?
A. Gillson. Thank you.	13	A. That's that's right.
that this was all not reviewed until	14	Q. And that data
December, so I'm not sure where what Reed is	15	A. And
referring to.	16	Q may or may not be complete.
Q. So you don't believe Dr. Reed's testimony	17	A. And
that full surveillance began on Septem on July 1st,	18	Q. Answer the question, please.
2008.	19	A. Well according to Reed's testimony, if
A. Well he's he's depending on his	20	Reed's correct, if if if this is correct, that
recollection,	21	might be true.
Q. Okay.	22	Q. Okay.
A I assume, in his deposition.	23	A. The other thing that's true, then, if that's
Q. Uh-huh.	24	what in fact took place, is that six months or
A. And I mean that's what he's what what	25	whatever it is six months or so of McGovern is not
Page 246		Page 248
he said in his in his deposition; however, that	1	reporting appropriately.
	2	Q. So if this document from the NHS says that
was said about when this was all reviewed.	3	since July 2008 hospitals are required to have sys
Q. So is your statement that in the Gillson	4	systems in place to identify patients who are included
article the authors there represented that the full	5	in the surveillance and later admitted to hospitals
surveillance began in December of 2008?	6	with an SSI, would that clarify any doubt as to when
A. It was reviewed in December.	7	full surveillance began in the NHS?
Q. Reviewed in December. But you have no	8	MR. GORDON: Object to the form of the
knowledge	9	question, lack of foundation.
A. I don't	10	A. Well there is
Q as to whether	11	I mean you're you're raising questions
A. It doesn't say when it was implemented,	12	about how accurate the data were recorded, but I mean
Q. Okay.	13	all of these change changes took place during the
A but that would imply, if it was not	14	McGovern study.
reviewed until December, that it would have been not	15	Q. If Mr. Reed's testimony is true if Dr.
implemented until maybe January. Right? I mean if	16	Reed's testimony is true
it's not	17	MR. SACCHET: I just said "mister,"
Q. January '09?	18	but I
A. '09. Yeah.	19	(Discussion off the stenographic record.)
Q. Okay. So if full surveillance wasn't	20	Q. Okay. If Mr. Reed's testimony is that full
implemented until January '09,	21	surveillance began on July 1st, 2008, that is the
A. Yes.	22	start of the Bair Hugger period in the McGovern study;
	1	
Q you're relying on data from July prior	23	correct?
Q you're relying on data from July prior to July 2008.	23 24	correct? A. That's
	A. That's that's that's what he reported. Q. Are you aware that Dr. Reed also testified that to rely on data prior to July 1st, 2008 would be, quote, very unreliable, end quote? A. That's what he reported. I mean related to this, I mean there's a there was a review of of the procedures that they were using that's referred to in one of the other papers What is the author? Starts with a G. Gissell? Q. Gillson. A. Gillson. Thank you that this was all not reviewed until December, so I'm not sure where what Reed is referring to. Q. So you don't believe Dr. Reed's testimony that full surveillance began on Septem on July 1st, 2008. A. Well he's he's depending on his recollection, Q. Okay. A I assume, in his deposition. Q. Uh-huh. A. And I mean that's what he's what what Page 246 he said in his in his deposition; however, that seems to not correspond in a peer-reviewed paper what was said about when this was all reviewed. Q. So is your statement that in the Gillson article the authors there represented that the full surveillance began in December of 2008? A. It was reviewed in December. Q. Reviewed in December. But you have no knowledge A. I don't Q as to whether A. It doesn't say when it was implemented, Q. Okay. A but that would imply, if it was not reviewed until December, that it would have been not implemented until maybe January. Right? I mean if it's not Q. January '09? A. '09. Yeah. Q. Okay. So if full surveillance wasn't	A. That's that's that's what he reported. Q. Are you aware that Dr. Reed also testified that to rely on data prior to July 1st, 2008 would be, quote, very unreliable, end quote? A. That's what he reported. I mean related to this, I mean there's a there was a review of of the procedures that they were using that's referred to in one of the other papers What is the author? Starts with a G. Gissell? Q. Gillson. A. Gillson. Thank you that this was all not reviewed until December, so I'm not sure where what Reed is referring to. Q. So you don't believe Dr. Reed's testimony that full surveillance began on Septem on July 1st, 2008. A. Well he's he's depending on his recollection, Q. Okay. A I assume, in his deposition. Q. Uh-huh. A. And I mean that's what he's what what Page 246 he said in his in his deposition; however, that seems to not correspond in a peer-reviewed paper what was said about when this was all reviewed. Q. So is your statement that in the Gillson article the authors there represented that the full surveillance began in December. Q. Reviewed in December. Q. Reviewed in December. Q. Reviewed in December. P. Q. Cas to whether A. It doesn't say when it was implemented, Q. Okay. A but that would imply, if it was not reviewed until December, that it would have been not implemented until maybe January. Right? I mean if it's not Q. January '09? A. '09. Yeah. Q. Okay. So if full surveillance wasn't

62 (Pages 245 to 248)

	Page 289		Page 291
1	you used Albrecht 10, based on the uncontrolled	1	Q. This odds this odds ratio is still above
2	calculation, was 2.76; correct?	2	2.0
3	A. That's correct.	3	A. It is.
4	Q. The decrease in the odds ratio is .6;	4	Q when controlling for the
5	correct?	5	thromboprophylaxis; correct?
6	A. That's right.	6	A. That's right.
7	Q. So that would be at best the magnitude of	7	Q. There is still a doubling of the risk even
8	the degree of confounding if there is any confounding,	8	when controlling for the thromboprophylaxis; correct?
9	correct, based on your calculation?	9	A. That's right. So
10	A. Yeah. Well that that that change	10	Q. Okay.
11	would be a change due to controlling for	11	A if you
12	controlling for use use of this of of this	12	You're looking at a difference at at the
13	of this treatment, whatever that corresponds to.	13	change above one,
14	Q. But I want to be clear that the change is .6	14	Q. Okay.
15	in the odds ratio; correct?	15	A not not zero.
16	A. That's right. That's right.	16	Q. But you would still agree that the
17	Q. In your response to Mantel you say that the	17	A. It's a fairly big chart change.
18	inference on the disease factor association was quite	18	Q the change
19	different when one controlled for age with respect to	19	The controlled thromboprophylaxis OR is
20	cancer; correct?	20	still above 2.0.
21	A. It depended	21	A. It is, yes.
22	I don't know what the example was here.	22	Q. And it
23	Q. Okay. Would you	23	That means it's still a doubling of the risk
24	A. Whatever it is.	24	even when the thrombo
25	Q view a change of .6 to be quite	25	A. But the point the point estimate is
	Page 290		Page 292
1	1'.0019	1	
	different?	1	above. I mean look at the confidence limits.
2		1 2	
	A. I'd say it's a fair fair difference, yes.	1	above. I mean look at the confidence limits.Q. Of your calculation?A7
2	A. I'd say it's a fair fair difference, yes.Q. Okay.	2	Q. Of your calculation?
2	A. I'd say it's a fair fair difference, yes.	2 3	Q. Of your calculation?A7
2 3 4	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's 	2 3 4	Q. Of your calculation?A7After you control for it.
2 3 4 5	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. 	2 3 4 5	 Q. Of your calculation? A7 After you control for it. Q. Yes.
2 3 4 5 6	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's 	2 3 4 5 6	 Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8
2 3 4 5 6 7	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? 	2 3 4 5 6 7	 Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still
2 3 4 5 6 7 8	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's 	2 3 4 5 6 7 8	 Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's
2 3 4 5 6 7 8	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. 	2 3 4 5 6 7 8 9	 Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not
2 3 4 5 6 7 8 9	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two 	2 3 4 5 6 7 8 9	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 	2 3 4 5 6 7 8 9 10	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point 	2 3 4 5 6 7 8 9 10 11	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11 12 13	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? 	2 3 4 5 6 7 8 9 10 11 12 13	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11 12 13 14	 A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 	2 3 4 5 6 7 8 9 10 11 12 13 14	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	 Q. Of your calculation? A7
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right. Q. Okay.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence. A. Yeah. I you're looking at
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right. Q. Okay. A. And so if there's no association, the odds	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence. A. Yeah. I you're looking at I mean those are not a fair comparison. I
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right. Q. Okay. A. And so if there's no association, the odds ratio is is is one.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence. A. Yeah. I you're looking at I mean those are not a fair comparison. I mean
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right. Q. Okay. A. And so if there's no association, the odds ratio is is is one. Q. You're getting that from controlling both	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence. A. Yeah. I you're looking at I mean those are not a fair comparison. I mean Q. Why not?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I'd say it's a fair fair difference, yes. Q. Okay. A. So 2 2.76, yeah, I mean that's it's Q. Approximately 20 percent. A. Oh, it's more than 26 percent; isn't it? It's Q. I don't think so. A two Q6 A point Q on 2.76? A. Well the 2.76, that's a an increase of 1.76. Q. From 2.76 to 2.16 is a difference of .6. A. Right. Q. Okay. A. And so if there's no association, the odds ratio is is is one. Q. You're getting that from controlling both A. If there's no no association, you're	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	Q. Of your calculation? A7 After you control for it. Q. Yes. A73 to 8 I mean it's still Q. It's A. The estimate of what the effect is is not very precise I would say. Q. It's a third of the size of your Jensen reanalysis; is it not? Your Jensen reanalysis has as 25-point confidence interval. A. The 25, that's Q. One to 25. MR. GORDON: Object to the form of the question, assumes facts not in evidence. A. Yeah. I you're looking at I mean those are not a fair comparison. I mean Q. Why not? A. I mean both of them are very poor estimates.

73 (Pages 289 to 292)

	Page 293		Page 295
1	A. Remember, I said, you know, the when you	1	A. No.
2	construct a confidence interval on an odds ratio, you	2	Q. So you haven't reviewed any published
3	generally do it on the log transformation,	3	literature regarding the safety of Xarelto with
4	Q. Okay.	4	respect to deep joint infection.
5	A and so once you threw it do it in the	5	MR. GORDON: Objection, asked and answered.
6	log, you have to look at it in the log scale.	6	A. No, I've
7	Q. Okay. You would agree, nonetheless, that	7	Q. Are you going to publish it?
8	the odds that the confidence interval you	8	A. No.
9	calculated based on the Jensen reanalysis is larger	9	Q. So there is no published literature that you
10	than the confidence interval of both the McGovern	10	are aware of that suggests a relationship between the
11	study and the confidence interval that you report when	11	variable of a thromboprophylaxis on the outcome of
12	controlling for the thromboprophylaxis.	12	deep joint infection.
13	A. The range of the two would be greater, yes,	13	A. I don't know of any.
14	the range of the two would be greater, but a big part	14	Q. Okay. If we could, let me show you another
15	of that reason for the change in the range, the	15	document.
16	arithmetic difference in that range, is because the	16	A. I mean it is interesting that they in
17	odds ration is much smaller. In the other example in	17	fact they seem to have not
18	the in the from the from the Jensen	18	They went they went back to using the
19	comparison, the odds ratio was 4.77.	19	using the treatment they were originally using even
20	Q. Okay.	20	though the Jensen paper did not find it statistically
21	A. So that's more than twice	21	significant.
22	Q. Okay.	22	Q. You don't have an ex expertise in
23	A what the odds ratio is here.	23	infectious disease; do you?
24	Q. Your odds ratio is more than three times the	24	A. No.
25	ev the confidence interval here. Your confidence	25	Q. You're not a medical doctor.
	Page 294		5 006
	rage Zyt	1	Page 296
1	<u> </u>	1	
1 2	interval is three times the size of the confidence	1 2	A. I'm not.
2	interval is three times the size of the confidence interval even though the odds ratio here is half the	1	A. I'm not. Q. You don't know why they changed back to
	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported	2	A. I'm not. Q. You don't know why they changed back to tinzaparin.
2	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay.	2 3	A. I'm not. Q. You don't know why they changed back to
2 3 4	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis.	2 3 4	 A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this
2 3 4 5	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay.	2 3 4 5	 A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not.
2 3 4 5 6	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay.	2 3 4 5 6	 A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay.
2 3 4 5 6 7	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay.	2 3 4 5 6 7	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern
2 3 4 5 6 7 8	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand	2 3 4 5 6 7 8	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba
2 3 4 5 6 7 8	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But	2 3 4 5 6 7 8	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right,
2 3 4 5 6 7 8 9	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen	2 3 4 5 6 7 8 9	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh.
2 3 4 5 6 7 8 9 10	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your	2 3 4 5 6 7 8 9 10	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a
2 3 4 5 6 7 8 9 10 11	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio	2 3 4 5 6 7 8 9 10 11	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder?
2 3 4 5 6 7 8 9 10 11 12	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low	2 3 4 5 6 7 8 9 10 11 12 13	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen
2 3 4 5 6 7 8 9 10 11 12 13	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the	2 3 4 5 6 7 8 9 10 11 12 13	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh.
2 3 4 5 6 7 8 9 10 11 12 13 14 15	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy
2 3 4 5 6 7 8 9 10 11 12 13 14 15	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one	2 3 4 5 6 7 8 9 10 11 12 13 14 15	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those two. I agree to that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did. A. No, I don't.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those two. I agree to that. Q. It's greater. A. It's greater. I agree with that.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did. A. No, I don't. Q. Okay. A. I find it interesting.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those two. I agree to that. Q. It's greater. A. It's greater. I agree with that. Q. Thank you.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did. A. No, I don't. Q. Okay. A. I find it interesting. Q. Did you ask anyone why they changed from
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those two. I agree to that. Q. It's greater. A. It's greater. I agree with that. Q. Thank you. As to the Jensen reanalysis, have you	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did. A. No, I don't. Q. Okay. A. I find it interesting. Q. Did you ask anyone why they changed from tinzaparin to Xarelto and back to tinzaparin?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	interval is three times the size of the confidence interval even though the odds ratio here is half the amount of the odds ratio you reported A. Yes. Okay. Q in the Jensen reanalysis. A. Okay. Q. Okay. A. So I don't I don't I don't understand what your point is. But Q. My point is that it's clear that the Jensen reanalysis has more variability than does your calculation of the 2.16 odds ratio A. The difference between the high and low Q when controlling for the thromboprophylaxis; correct? A. The difference be the the The difference between the high and the low of the confidence interval is greater on that one than is is diff quite different between those two. I agree to that. Q. It's greater. A. It's greater. I agree with that. Q. Thank you.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	A. I'm not. Q. You don't know why they changed back to tinzaparin. A. No, I no, I don't. I don't know if this is the basis of it or not. Q. Okay. A. But I mean this was the ba It was Jensen's paper that that McGovern is quoting, right, Q. Uh-huh. A as the as for saying why it's not a confounder? Q. And the Jensen A. And while the Jensen paper is not not statistically significant, Q. Uh-huh. A they nevertheless changed the policy changed the regimen that they were using at Wansbeck. Q. Okay. But you don't know why they did. A. No, I don't. Q. Okay. A. I find it interesting. Q. Did you ask anyone why they changed from

74 (Pages 293 to 296)

Page 303 Page 301 1 Q. Are you aware that the record studies found 1 what, two and a half times as much variability as what 2 that Xarelto is not related to infection? 2 I would expect to see if the only variation that was 3 MR. GORDON: Objection, asked and answered, 3 taking place was just a random fluctuation based on, 4 lack of foundation. 4 you know, what's going on with the use of -- of -- of 5 A. I think I said I had not looked at the 5 these surgical procedures at Wansbeck. 6 6 Q. You didn't do that calculation with respect record studies. 7 7 Q. Would it be helpful to look at one? to the reanalysis of the Jensen data; correct? 8 8 A. I mean I -- it --A. I -- I didn't -- I didn't allow for random 9 9 When I was looking within the Albright 10 variability other than the binomial variability --10 10 data set, I found the association that I reported. Q. Okay. 11 Now I think the premise of your question is: Is the 11 A. -- that -- that we assumed. No, I -- I took 12 association that I found, is that a causal association 12 that at a face value. And -- and it could be random. 13 13 or not? The way this study was designed, is this My assumption is it's not random. My assumption is it's due to other factors that are -- that were 14 temporal? You know, these time periods are changing. 14 15 And as I show in Fig. 2 --15 affecting risk at Wansbeck during this time period. 16 16 Q. Okay. Q. That's an assumption. 17 A. -- show in Fig. 2 and I present the --17 A. It is. 18 related to that I show in figure -- I'm sorry, on 18 Q. Okay. I want to go back to the -- what we 19 page -- ah, where is that? On page four, the last 19 were talking about with respect --20 20 paragraph, it compares the infection rates by Did you do any investigation to determine 21 quarter --21 whether your assumption was correct or not? 22 22 Q. Yeah. A. I -- I have no further --23 23 A. -- and we got a chi-square of 15.5 on six I have not been in contact with Wansbeck or 2.4 degrees of freedom, p-value of .0167. So what that 2.4 anyone else involved with this to know that for 2.5 suggests is that the incidence rates during the Bair 25 certain. I guess a part of my -- my -- my reasons for Page 302 Page 304 1 Hugger period were changing quite a lot, and those 1 thinking there were other things going on is the 2 2 differences were statistically significant. Gillson paper, for example, enumerates such a huge 3 Q. Okay. 3 array of things that were taking place at -- what is 4 A. So this is not a period where things were 4 it -- Northumbria group of hospitals, --5 5 just under well controlled. Q. Okay. 6 6 Q. Are you aware of whether deep joint A. -- so they were having a problem. 7 7 infections are always constant or whether there is Obviously, NHS was -- was calling them on having a 8 variability in deep joint infections more generally? 8 high infection rate that they needed to do something 9 A. Well if there is variability more generally, 9 about, and the -- the Gissell paper elaborates on all 10 10 then that needs to be taken into account in the the things that they were trying to do to bring this 11 analysis, and this analysis does not do that. 11 thing under control, and there were a lot of other 12 Q. When you conducted --12 things other than switching to Hot Dog. 13 13 A. I did not do that, and McGovern certainly Q. Okay. Did you ask 3M for any info with 14 14 didn't do it either. respect to this issue? 15 Q. When you construct a statistical model, the 15 A. No. 16 confidence interval accounts for the variance of the 16 MR. GORDON: Object to the form of the 17 data; correct? 17 question. 18 A. Well it should. But the confidence 18 Q. Okay. Are you aware that in the Gillson 19 intervals that I computed and the confidence intervals 19 article the descriptor for infection is SSI? 2.0 that McGovern computed don't take that -- that 20 MR. GORDON: Object to the form of the 21 variability into account. 21 question. Q. Okay. 22 22 Q. The title of the article is SSI. 23 A. The expected value of this chi-square 23 A. Which paper are you talking about? 2.4 statistic is equal to the degrees of freedom, so you 24 Q. You just referenced the Gillson article, --25 25 expect it to be six, in fact it's 15.5, so there's, A. Gillson, okay.

76 (Pages 301 to 304)

1 2	Page 305		Page 307
	Q "Implementing Effective SSI Measures."	1	But I I believe that they would be
2	A. Right. Yes.	2	related to each other. And things that you're doing
3	Q. Do you know what "SSI" stands for?	3	to control SSI, my understanding is you would have
4	A. Ahh, oh	4	you would have effects on on PJI as well.
5	I've forgotten.	5	Q. What's your understanding based on?
6	Q. Surgical-site infection ring a bell?	6	A. Well looking at well I mean the one
7	A. Surgical-site infection. Exactly, yeah.	7	This is from the from the Gillson paper.
8	Q. Surgical-site infections are not the same	8	Q. What is?
9	thing as deep joint infections.	9	A. A patient with a with a with surgery
10	MR. GORDON: Object to the form of the	10	on his knee.
11	question, lack of foundation, misconstrues the	11	Q. Do you see the implant?
12	evidence and assumes facts not in evidence.	12	A. I see the surgery on his knee.
13	Q. Do you know whether an SSI is the same as a	13	Q. Do you know whether that would result in
14	DJI?	14	either a superficial wound infection on the skin or
15	MR. GORDON: Same objection.	15	whether it would result in a deep infection on a
16	A. It's it's not the same, it's not the same	16	prosthetic?
17	thing. They are they would be	17	A. I don't know. If it was a deep infection, I
18	Are you saying suggesting they are not	18	think that would be something they would they would
19	related?	19	be interested in.
20	Q. I'm suggesting that	20	You don't think that you don't think they
21	Do you know whether the measures that were	21	would be interested in that as as respect to the
22	implemented in the Northumbria trust were specific to	22	surgery?
23	SSI or DJI?	23	Q. Are you asking me?
24	A. I think	24	A. Yeah.
25	Well the paper is entitled for SSI.	25	Q. I'm
	Page 306		Page 308
1	Q. So you don't know whether they were specific	1	A. I mean you you seem to be suggesting that
2	to deep joint infection.	2	there's no effect. Why why what you're asking
3	A. Well I would assume that they would they	3	me
4	would be effective on affecting both. I mean	4	Q. I would let
5	orthopedic surgery appears to be one of the things	5	Your your report concludes that the SSI
6	that they are in fact looking at.	6	bundle may have had an effect on deep joint infection
7	Q. Can you define SSI?	7	rates; correct?
8	A. I don't know the	8	A. Yes. The things that they were doing to
9	I don't know. I'm it's not a an area	9	control SSI may have had an effect.
10	that I've particularly done done work work on.	10	Q. You have no scientific basis to make that
11	I	11	conclusion.
12	Q. Can you define DJI?	12	A. I'm no, no. I'm just just assuming
13	A. It's it's again the	13	that it does.
14	It's joint joint infections	14	Q. Thank you.
15	Q. Okay.	15	Do you know if any articles that you're
16	A that that you're looking at.	16	relying on relate to SSI versus DJI?
17	Q. But you have no scientific basis or	17	A. No.
18	expertise to conclude whether or not the inter	18	Q. So you're not sure whether the publications
	interventions that are mentioned in the Gillson	19	that you've cited on page 14 of your report are
19	article which relate to SSI would have an impact on	20	specific to deep joint infection or a surgical-site
19 20	deep joint infection; correct?	21	infection.
20			
20 21		22	A. Oh. Some of them
20 21 22	A. It's	22 23	A. Oh. Some of them I'm not sure which articles you're you're
20 21			A. Oh. Some of them I'm not sure which articles you're you're talking about.

77 (Pages 305 to 308)

3 using Albrece 4 using. 5 Q. In you 6 thrombopropl 7 you never star 8 antibiotic; is 6 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thromboproper 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, when 3 2.16.	r than the the analysis that I did ht 10, that that's basically what I was r report you assume that the hylaxis may be a confounding factor, but the as much with respect to the	1 2 3 4 5 6 7 8 9 10 11 12 13 14	MR. GORDON: On page six. Q. It's on page six. A. Oh, I'm sorry. Q. Right under the heading "Comparison of the effect of antibiotic regimen on study results." And you report that there was a rate of infection during the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes. A. Yeah.
3 using Albred 4 using. 5 Q. In you 6 thrombopropl 7 you never star 8 antibiotic; is 6 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thromboprop 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	ht 10, that that's basically what I was r report you assume that the replace in the assume that the replace is a confounding factor, but the assume with respect to the replace it is assume that true? It know if I stated it. It is it is a a confounding variable and in resulting it in I did present an re I adjusted for it. If you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding reas I said before, it it depends on hether there is a change in the	3 4 5 6 7 8 9 10 11 12 13	A. Oh, I'm sorry. Q. Right under the heading "Comparison of the effect of antibiotic regimen on study results." And you report that there was a rate of infection during the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
3 using Albred 4 using. 5 Q. In you 6 thrombopropl 7 you never star 8 antibiotic; is 6 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thromboprop 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thromboprop 6 A. From	ht 10, that that's basically what I was r report you assume that the replace in the assume that the replace is a confounding factor, but the assume with respect to the replace it is assume that true? It know if I stated it. It is it is a a confounding variable and in resulting it in I did present an re I adjusted for it. If you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding reas I said before, it it depends on hether there is a change in the	4 5 6 7 8 9 10 11 12 13	 A. Oh, I'm sorry. Q. Right under the heading "Comparison of the effect of antibiotic regimen on study results." And you report that there was a rate of infection during the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
5 Q. In you 6 thrombopropl 7 you never star 8 antibiotic; is 8 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopropl 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopi 6 A. From	nylaxis may be a confounding factor, but the as much with respect to the that true? t know if I stated it. It is it is a a confounding variable and in tust for it in I did present an tre I adjusted for it. I you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding the as I said before, it it depends on the there is a change in the	5 6 7 8 9 10 11 12 13	Q. Right under the heading "Comparison of the effect of antibiotic regimen on study results." And you report that there was a rate of infection during the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
for thromboproply you never state antibiotic; is a antibiotic; is a antibiotic; is a fact I did adjust analysis when a general considering with a considering with a factor, as I whether with a see. The considering with a factor, as I whether with a see. When a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see. Thromboprople is the for the ratio was, with a general considering with a see.	nylaxis may be a confounding factor, but the as much with respect to the that true? t know if I stated it. It is it is a a confounding variable and in tust for it in I did present an tre I adjusted for it. I you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding the as I said before, it it depends on the there is a change in the	6 7 8 9 10 11 12 13	you report that there was a rate of infection during the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
7 you never star 8 antibiotic; is 6 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From	te as much with respect to the hat true? t know if I stated it. It is it is a a confounding variable and in just for it in I did present an re I adjusted for it. you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding eas I said before, it it depends on hether there is a change in the	7 8 9 10 11 12 13 14	the Bair Hugger period when Gentamicin was used of 1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
8 antibiotic; is 6 9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When a 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	t know if I stated it. It is it is a a confounding variable and in just for it in I did present an re I adjusted for it. you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	8 9 10 11 12 13 14	1.92 percent; correct? A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
9 A. I don' 10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	t know if I stated it. It is it is a a confounding variable and in just for it in I did present an re I adjusted for it. you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	9 10 11 12 13 14	A. Oh, okay. This is Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
10 potentially a 11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affec 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	a a confounding variable and in just for it in I did present an re I adjusted for it. I you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on the ther there is a change in the	10 11 12 13 14	Yeah. We were I think we were talking about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
11 fact I did adj 12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affec 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From	just for it in I did present an re I adjusted for it. I you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	11 12 13 14	about two different things. This is, I think, just looking at the effect of an antibiotic on Q. Yes.
12 analysis whe 13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affec 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	re I adjusted for it. I you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on the there is a change in the	12 13 14	looking at the effect of an antibiotic on Q. Yes.
13 Q. So did 14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From	you adjust for the antibiotic without whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	13 14	Q. Yes.
14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And it 21 see. 22 When a considering w 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopin 6 A. From	whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	14	-
14 considering w 15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And it 21 see. 22 When a considering w 23 thromboprop 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thromboprop 6 A. From	whether it was a confounding factor? I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	1	Δ Veah
15 A. Well, 16 factor, as I 17 whether w 18 It affect 19 Q. Okay. 20 A. And it 21 see. 22 When a grade of thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From	I mean whether it's a confounding as I said before, it it depends on hether there is a change in the	15	71. I Cuii.
17 whether w 18 It affect 19 Q. Okay. 20 A. And it 21 see. 22 When a continuous thrombopropers 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopropers 6 A. From	hether there is a change in the		Q. Okay.
17 whether w 18 It affect 19 Q. Okay. 20 A. And it 21 see. 22 When a continuous thrombopropers 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopropers 6 A. From	hether there is a change in the	16	A. I was talking about controlling for it.
18	_	17	Yeah.
20 A. And i 21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopr 6 A. From		18	Q. Okay. So here we essentially controlled for
21 see. 22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From		19	the use of the Bair Hugger and viewed infection rates
22 When 23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From	n this case the association let's	20	when Gentamicin was applied versus when Gentamicin
23 thrombopro 24 Q. I think 25 A. Yes. 1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopro 6 A. From		21	plus Teicoplanin was applied; correct?
1 the for the ratio was, wh 2.16. 4 Q. That's the thrombopi 6 A. From	we just controlled for the	22	A. That's right. Because it's only during
1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopi 6 A. From	phylaxis	23	the
1 the for the 2 ratio was, wh 3 2.16. 4 Q. That's 5 the thrombopi 6 A. From	we're on the antibiotic.	24	Q. Yeah.
2 ratio was, who 3 2.16. 4 Q. That's the thromboph 6 A. From	When we just controlled for for	25	A Bair Hugger.
2 ratio was, who 3 2.16. 4 Q. That's the thrombop 6 A. From		-	
2 ratio was, who 3 2.16. 4 Q. That's the thromboph 6 A. From	Page 314		Page 316
3 2.16. 4 Q. That's 5 the thrombopi 6 A. From	thromboprophylaxis, the the odds	1	Q. Yeah.
4 Q. That's 5 the thrombopi 6 A. From	at, 2.49? Is that right? No, I'm sorry,	2	A. Sure.
5 the thrombopi 6 A. From		3	Q. And protocol one, which we'll call the
6 A. From	the odds ratio for controlling for	4	Gentamicin administration, resulted in an infection
		5	rate of 1.92 percent in patients; correct?
Yes, rig		6	A. Yes.
	,	7	Q. Okay. And then protocol two, when
	e're talking about the antibiotic.	8	Gentamicin plus Teicoplanin was used, the rate went up
	hen so now when we add, in addition to	9	to 3.13; correct?
_	or the thromboprophylaxis we're adding	10	A. That's right.
	, which is what you were asking about	11	Q. That's an increase in the infection rate;
	actually wasn't asking about that.	12	correct?
	just with respect to the antibiotic,	13	A. Yes.
· ·	g for both, just controlling for the	14	Q. And that's the combination of antibiotics
	ou did that calculation prior to the	15	that was used during the Hot Dog period; correct?
16 double control		16	A. Yes.
	t know that I did the single control.	17	Q. So actually, the combination of antibiotics
18 Q. Okay.		18	that was used resulted in a higher infection rate
	ed I looked	19	between compared to the drug that was used with
	double control.	20	just Bair Hugger patients; correct?
	on't recall doing a single control on	21	A. That's right.
22 the antibiotic?		22	Q. So if anything
		23	A. Yeah. It's the com wait.
Q. Well y	t think I did.	24	That's right. Yeah.
25 A. Oh, I	t think I did. ou did.	25	Q. Okay.

79 (Pages 313 to 316)

	Page 317		Page 319
1	A. The switchover. Okay. Sorry.	1	that Gentamicin may be less effective than Gentamicin
2	Q. So if anything, there's actually reverse	2	plus Teicoplanin; correct?
3	confounding in the direction that the use of	3	A. It it
4	Gentamicin plus Teicoplanin was less effective than	4	The point estimates go in that direction.
5	the use of just Gentamicin; correct?	5	It's not
6	A. It appears to be, yes.	6	Q. Okay.
7	Q. So based on that conclusion, the odds ratio	7	A statistically significant,
8	as reported in the McGovern study could even be higher	8	Q. Okay.
9	in the event that we controlled for the use of	9	A although it's
10	Gentamicin plus Teicoplanin; correct?	10	It's sort of unclear as to whether or not it
11	A. Well	11	does.
12	Q. You just told me statistical significance	12	Q. With respect to confounding, you previously
13	did not matter.	13	stated that statistical significance is not
14	MR. GORDON: Object to the form of the	14	determinant of whether there is confounding; correct?
15	question, misstates his testimony.	15	A. That's right.
16	A. I mean the issue of it being a confounder is	16	Q. So whether or not the p-value is .1683 does
17	does it affect the association does it affect the	17	not mean that there was reverse confounding with
18	measure of association between the	18	respect to the odds ratio reported in the McGovern
19	Well, in this case we're looking at Bair	19	study; correct?
20	Hugger, Bair Hugger/Hot Dog, does it does it affect	20	A. It's it
21	that association.	21	Well it basically means that it's it's
22	Q. You didn't report an association; did you?	22	it's it could go either way.
23	MR. GORDON: Object to the form of the	23	Q. It could
24	question.	24	A. It's not it's not clear.
25	A. Yeah, it	25	Q. Okay. And you have not reported an odds
	Page 318		Page 320
			1496 320
1	O. Did you report an association with respect	1	
	Q. Did you report an association with respect to controlling for the antibiotic in the Bair Hugger	1	ratio with respect to that calculation; correct?
2	to controlling for the antibiotic in the Bair Hugger	1 2 3	ratio with respect to that calculation; correct? A. No, it does
	to controlling for the antibiotic in the Bair Hugger arm of the study?	2	ratio with respect to that calculation; correct? A. No, it does No, I have not.
2 3	to controlling for the antibiotic in the Bair Hugger	2 3	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was
2 3 4	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah.	2 3 4	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have
2 3 4 5	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I	2 3 4 5	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was
2 3 4 5 6	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that.	2 3 4 5 6	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct?
2 3 4 5 6 7	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that.	2 3 4 5 6 7	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that
2 3 4 5 6 7 8	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that.	2 3 4 5 6 7 8	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or
2 3 4 5 6 7 8	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of	2 3 4 5 6 7 8 9	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse
2 3 4 5 6 7 8 9	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of	2 3 4 5 6 7 8 9	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you
2 3 4 5 6 7 8 9 10	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic	2 3 4 5 6 7 8 9 10	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or
2 3 4 5 6 7 8 9 10 11	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah.	2 3 4 5 6 7 8 9 10 11	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you
2 3 4 5 6 7 8 9 10 11 12 13	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection,	2 3 4 5 6 7 8 9 10 11 12	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You
2 3 4 5 6 7 8 9 10 11 12 13 14	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay.	2 3 4 5 6 7 8 9 10 11 12 13	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to
2 3 4 5 6 7 8 9 10 11 12 13 14 15	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9	2 3 4 5 6 7 8 9 10 11 12 13 14	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17.	2 3 4 5 6 7 8 9 10 11 12 13 14 15	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to the use of just Gentamicin; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to controlling for the antibiotic in this calculation
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	to controlling for the antibiotic in the Bair Hugger arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to the use of just Gentamicin; correct? A. That's right.	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to controlling for the antibiotic in this calculation A. Yes.
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to the use of just Gentamicin; correct? A. That's right. Q. And in the McGovern study, all the Hot Dog	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to controlling for the antibiotic in this calculation A. Yes. Q you report infection rates and you report
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to the use of just Gentamicin; correct? A. That's right. Q. And in the McGovern study, all the Hot Dog patients received Gentamicin plus Teicoplanin;	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to controlling for the antibiotic in this calculation A. Yes. Q you report infection rates and you report a p-value, you do not report an odds ratio; correct?
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	arm of the study? MR. GORDON: Just the antibiotic? MR. SACCHET: Yeah. A. Not just the antibiotic, no. That's what I said, I didn't do that. Q. You didn't do that. A. Look at the effect of Well I I looked at the effect of of the antibiotic Q. Yeah. A on risk of infection, Q. Okay. A and that was this difference of, oh, 1.9 versus 3.1 infection rate with a p-value of .17. Q. Okay. And the percent of infection when using Gentamicin plus Teicoplanin went up compared to the use of just Gentamicin; correct? A. That's right. Q. And in the McGovern study, all the Hot Dog patients received Gentamicin plus Teicoplanin; correct?	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	ratio with respect to that calculation; correct? A. No, it does No, I have not. Q. So in order to determine whether there was reverse confounding or general confounding, you have not made the calculation in order to make that conclusion; correct? A. I haven't said whether or not it's reverse or I'm not I'm not sure what what you mean by "reverse" or Q. That's what I said, "whether or not." You don't know whether there was confounding because you haven't reported an odds risk ratio with respect to just the control for the antibiotic; correct? A. Well it's not just control. I've I've controlled for both antibiotic and thrombo. Q. I understand. But with respect to controlling for the antibiotic in this calculation A. Yes. Q you report infection rates and you report a p-value, you do not report an odds ratio; correct? A. That's correct.

80 (Pages 317 to 320)

	Page 321		Page 323
1	the McGovern study or whether it decreased,	1	Q. Yeah. And you haven't done
2	correct,	2	A. So whether or not it's associated with
3	A. Which odds	3	Well in this study it it certainly is
4	Q when com	4	associated with with whether or not the Bair Hugger
5	A ratio are you talking about?	5	or the Hot Dog was used. In general, who knows?
6	Q. Either the 3.8 or the 2.76 that you	6	Q. You don't know whether
7	calculated based on Albrecht 10. You have no basis to	7	A. Well
8	compare those odds ratios to this calculation.	8	Q the Gentamic
9	A. Well I compared the odds I mean I	9	A it depends on what what what is
10	didn't	10	done by the institution.
11	I don't report the odds ratio, but you can	11	Q. You don't know whether Gentamicin is more or
12	pretty good get a pretty good idea of what about	12	less effective than Gentamicin plus Teicoplanin
13	what it's going to be	13	A. Well that's a different question.
14	Q. You told me	14	Q in terms of deep joint infection. That's
15	A because the infection rate let's see.	15	the question right now. Do you know?
16	"In order to control for theone must use	16	A. Well there is the
17	the Bair Hugger period that that shares the	17	The analysis based on these data
18	antibiotic and thromboprophylaxis regimen used in the	18	Q. That shows
19	Hot Dog period," so which had an infection rate of	19	A found found the the result was not
20	three out of 270, 1.1 percent, and compare that with	20	statistically significant, the difference of 2.19
21	four out of 372, which is 1.08 percent.	21	percent versus 3.1, but but
22	Q. You're looking at controlling for both	22	Q. And the infection rate went up with
23	variables, correct, right now?	23	Gentamicin plus Teicoplanin.
24	A. That is correct.	24	A. That's right.
25	Q. I want to go back to when you just	25	Q. Okay.
	Page 322		Page 324
1	controlled for the antibiotic, which is what we're	1	A. The one the one is higher. It's not
2	talking about. You did not provide an odds ratio.	2	That difference is not statistically
3	A. I did not	3	significant.
4	That's right, I didn't provide it.	4	Q. Okay. Based on that
5	Q. You did not determine how or whether the	5	A. When I when I added that into the
6	antibiotic by itself is a confounding variable.	6	analysis and controlled for that after I had already
7	A. By by itself, no. By itself, no.	7	controlled from thromboprophylaxis, the any
8	Q. And you have	8	association that an association that was 2.1
0	•		association that an association that was 2.1
9	A. But I've controlled for both of them	9	
10	A. But I've controlled for both of them Q. We'll get there. I'm just talking about	1	six was it? com disappeared effectively
	A. But I've controlled for both of them Q. We'll get there. I'm just talking about this calculation.	9	
10	Q. We'll get there. I'm just talking about	9	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus
10 11	Q. We'll get there. I'm just talking about this calculation.	9 10 11	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about
10 11 12	Q. We'll get there. I'm just talking about this calculation.You do not know the degree of confounding, if any, caused by only the antibiotic.	9 10 11 12	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as
10 11 12 13	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. 	9 10 11 12 13	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an
10 11 12 13 14	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to 	9 10 11 12 13 14	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because
10 11 12 13 14 15	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on 	9 10 11 12 13 14 15	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated.
10 11 12 13 14 15	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. 	9 10 11 12 13 14 15	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this
10 11 12 13 14 15 16 17	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the 	9 10 11 12 13 14 15 16	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation?
10 11 12 13 14 15 16 17 18	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. 	9 10 11 12 13 14 15 16 17 18	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no.
10 11 12 13 14 15 16 17 18 19	 Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. A. I don't see understand that understand	9 10 11 12 13 14 15 16 17 18 19 20	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no. Q. You have no idea whether this is adequately
10 11 12 13 14 15 16 17 18 19 20 21	Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. A. I don't see understand that understand your your question. To be a confounding variable,	9 10 11 12 13 14 15 16 17 18 19 20 21	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no. Q. You have no idea whether this is adequately powered.
10 11 12 13 14 15 16 17 18 19 20 21 22	Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. A. I don't see understand that understand your your question. To be a confounding variable, as we've said, it has to be associated with with	9 10 11 12 13 14 15 16 17 18 19 20 21 22	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no. Q. You have no idea whether this is adequately powered. A. Oh, it's I there's
10 11 12 13 14 15 16 17 18 19 20 21 22 23	Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. A. I don't see understand that understand your your question. To be a confounding variable, as we've said, it has to be associated with with the with the outcome	9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no. Q. You have no idea whether this is adequately powered. A. Oh, it's I there's There's never been a power analysis of
10 11 12 13 14 15 16 17 18 19 20 21 22	Q. We'll get there. I'm just talking about this calculation. You do not know the degree of confounding, if any, caused by only the antibiotic. A. That's right. I didn't do that. Q. And you have not reviewed any literature to suggest that an antibiotic is a confounding factor on deep joint infections. MR. GORDON: Object to the form of the question. A. I don't see understand that understand your your question. To be a confounding variable, as we've said, it has to be associated with with	9 10 11 12 13 14 15 16 17 18 19 20 21 22	six was it? com disappeared effectively completely, I mean 1 1 1.11 percent versus 1.08. Q. Okay. Let's talk about A. So they're basically I mean it as It would, I I I suggest, be an indication that this is a confounding variable because the odds ratio is bas basically eliminated. Q. Have you done a powering analysis of this double-control calculation? A. A power analysis, no. Q. You have no idea whether this is adequately powered. A. Oh, it's I there's

81 (Pages 321 to 324)

	Page 373		Page 375
1	Samet. It's not	1	con conclusions are about about causal
2	That's not my area. I mean we've already	2	inference.
3	established what his area is	3	Q. Okay.
4	Q. Okay.	4	A. It was basically the strength
5	A and this is an area that he feels	5	Q. Uh-huh.
6	comfortable in and that and has has has done	6	A in terms of not only the magnitude of the
7	work in, and this is not the area	7	effect, but in terms of the design that was used
8	Q. You don't feel comfortable in this area.	8	and to to find those those associations and
9	A. It's not an area that I that I work	9	whether that is the strength of that evidence is
10	in,	10	was enough to demonstrate a causal a causal
11	Q. Okay.	11	association.
12	A no.	12	Q. Do you agree with the statement from The
13	Q. And so you're unclear about what the	13	Reference Manual on Statistics that "In the end,
14	mechanism of infection that is the issue with respect	14	deciding whether associations are causal typically is
15	to blowing air in the operating theater; is is	15	not a matter of statistics alone, but also rests on
16	that is that your testimony?	16	scientific judgment?"
17	MR. GORDON: Object to the form of the	17	A. Yes.
18	question.	18	Q. You've only considered the statistical
19	A. It's	19	aspects; correct?
20	I mean the authors of this report are	20	A. Well I tried to consider the the other
21	obviously concerned about blowing you know, blowing	21	aspects of of the of the study as well.
22	air over water that's water that's infected.	22	Q. You said you have no expertise and have not
23	Q. Uh-huh.	23	delved into the literature as to those additional
24	A. I don't know enough about the mechanism of	24	topics; correct?
25	the Bair Hugger	25	A. Of the associated of things related
		-	
	Page 374		Page 376
1	Q. Yeah.	1	specifically to these devices. I was primarily
2	A to know exactly what is	2	concentrating on the studies that had been done on the
3	Is there a pool of water in the Bair Hugger	3	epidemiology.
4	that it that it's blowing air over?	4	Q. And those studies are the McGovern study and
5	Q. Okay.	5	the Augustine study, which are the only two
6	A. I don't know.	6	epidemiologic studies on the risk of infection from
7	Q. So you've opined about whether one can draw	7	the Bair Hugger to deep joint infection; correct?
8	a causal inference as to whether the Bair Hugger	8	A. For the Bair for the Bair Hugger effect,
9	increases the risk of infection, but you don't	9	the Bair Hugger/Hot Dog comparison, those were the
10	understand the ways in which the Bair Hugger might in	10	basically the studies that I was comparing.
11	fact result in an increase in infection.	11	MR. SACCHET: Okay. We're going to look at
12	MR. GORDON: Object to the form of the	12	one more document. Maybe two, but (Exhibit 31 was marked for
13	question, misstates his testimony.	13	(Exhibit 31 was marked for
14	A. I think I think that's not not an	14	identification.)
15	accurate description of what what I've what I've	15	BY MR. SACCHET:
16	been saying. I was looking at the the evidence for	16	Q. This is another document from the CDC;
17	a causal a causal association	17 18	MP. CORDON: Objection look of foundation
18	Q. Uh-huh.	1	MR. GORDON: Objection, lack of foundation.
19	A and does that has in that has	19	THE REPORTER: We have eight minutes left.
20	basically involved looking at what the the design	20	Q. Does the title page of this document,
0.1	and the estimates of effect that were known to me	21	professor, show the CDC's logo on it?
21		22	A. Yes.
22	at the at the time that I did that did that	22	O Okov And if you appld places to the total
22 23	analysis.	23	Q. Okay. And if you could please turn to page
22		23 24 25	Q. Okay. And if you could please turn to page 12 of the document, it states "FDA Device Updates: Flexible Endoscopes and Heater Coolers;" correct?

94 (Pages 373 to 376)

A. Yes. Q. Olay. If you could turn to page 15 of the document, there are a number of builtet points; correct? A. Ves. Q. And the fourth one down says, "The orientation of the vents) on the devices may or may not direct the fan exhaust toward the patient or the settle field. The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see than? A. Yes. A. Yes. A. Yes. A. Yes. A. Yes. J. Buth the same mechanism of infection that the same mechanism of infection described in his report? MR. GORDON: Objection, asked and answered. Dr. Samet described in his report? MR. GORDON: Objection, asked and answered. Dr. Samet described in the steril field." Do you see what Pr. Samet's description was on - on - on the - on the - on devices use success in the McGorem study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 378 Page 378 Page 378 Page 380 Page 380 Page 378 Page 380		Page 377		Page 379
document, there are a number of hullet points; correct? A. Yes. O. And the fourth one down says, "The orientation of the vent(s) on the devices may or may not direct the fan exhaust toward the patient or the sterile field. The cohaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating the movement of the aerosolized NTM into the sterile field. The yeaks see that? A. Yes. A. Yes. A. Yes. A. Yes. MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischanacterizes the testimony. A. I - I don't recall the detail of how what Dr. Samet's description was on - on - on the - on on the - on devices used. O. One of the issues in this litigation that was discussed in the McGovern study, which you are a aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 The page 378 MR. GORDON: Objection, asked and answered. O. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." MR. GORDON: Well with wait, wait. You stated out with talking about convection currents, not - MR. GORDON: Well with the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Does that describe a similar mechanism of infection that the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." MR. GORDON: Object to the form of the question, asked and answered. O. This bullet says that "The exhaust from coling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." MR. GORDON: Object ton the movement of the aerosolized NTM into the sterile field." Does that describe a similar mechanism of infection as noted by McGovern et al in the study that you was accounted to the movement of particles from air currents generated by the Bair Hugger correct? MR. GORDON	1	A. Yes.	1	MR. GORDON: Okay.
document, there are a number of bullet points; correct? A. Ves. Q. And this bullet, which is from the CDC that we established, says that "The exhaust from cooling fass may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the life field. The schaust form cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the life field. The you see that? A. Yes. Dr. Samet described in his report? MR. GORDON: Objection, asked and answered. Dr. Samet's description was on - on - on the - on evidence, mischaracterizes the testimony. A. I - I don't recall the detail of how - what Dr. Samet's description was on - on - on the - on on the - on devices used. Q. One of the issues in this hiligation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Description for the surgical site; correct? A. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Dr. Samet's description was on - on - on the - on on the - on devices used. D. A. I - I don't recall the detail of how - what Dr. Samet's description was on - on - on the - on on the - on devices used. D. A. I - I don't recall the detail of how - what Dr. Samet's description was on - on - on the - on on the - on devices used. D. A. A. Yes. D. A. A. Yes. D. MR. GORDON: Vou read it right. MR. GORDON: No, I'm and provide the - if he has any hasis for - make GORDON: Are you asking him if he - if he has any hasis for - make GORDON: Are you asking him if he - if he has any hasis for - make GORDON: Are you asking him if he - if he has any hasis for - MR. GORDON: Well well was the make the detail of how - make GORDON: MR. GORDON: MR. GORDON: MR. GORDON: MR. GORDON: MR. GORDON: Object to the form of the question of the mechanism of	2	Q. Okay. If you could turn to page 15 of the	2	MR. SACCHET: Yes.
5 A. Yes. 6 Q. And the fourth one down says, "The 7 orientation of the vent(s) on the devices may or may 8 not direct the fan exhaust toward the patient or the 8 sterile field. The exhaust from cooling fans may also 10 play a role in the airflow within the OR, possibly 11 facilitating movement of the aerosolized NTM into the 12 sterile field." Do you see that? 13 A. Yes. 14 Q. Is that the same mechanism of infection that 15 Dr. Samet described in his report? 16 MR. GORDON: Object to the form of the 17 question, lack of foundation, assumes facts not 18 evidence, mischanacterizes the testimony. 19 A. 1 - 1 don't recall the detail of how- 20 what Dr. Samet's description was on - on - on the - 21 on the - on devices used. 22 Q. One of the issues in this litigation that 23 was discussed in the McGovern study, which you are 24 aware of, is that the Bair Hugger might generate 25 convection currents that results in increased 1 particles over the surgical site; correct? 2 A. Yes. Yes. 3 Q. This bullet says that "The exhaust from 4 cooling fans may also play a role in the sairflow 5 within the OR, possibly facilitating the movement of part of the aerosolized NTM into the settrale field," 10 Does that describe a similar mechanism of 10 Does that describe a similar mechanism of 11 moving particles or baceria to the sterile field? 12 MR. GORDON: Well wait, wait, wait. You 13 started out with talking about convection currents, 15 on you're changing gars. What - what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection described in the McGovern study is the 18 movement of particles from air currents generated by 19 the Bair Hugger; might particles on the active field? 20 MR. GORDON: Well wait, wait, wait. You 21 started out with talking about convection currents, 22 MR. GORDON: Well before you said convection 23 currents, not - 24 MR. GORDON: Well before you said convection 24 MR. GORDON: You so shout that statement? 25 MR. GORDON: You didn't investigate - 26 MR. GORDON: You so you're changing gate.	3	document, there are a number of bullet points;	3	Q. That's correct.
comment on it the sum the Barb strice for convection currents that results in increased A. Yes. Page 378 Page 378 A. Yes. A. Yes. Page 378 Page 380 Page 380 Page 380 Page 380 Page 380 Page 380	4	correct?	4	A. Okay.
orientation of the vent(s) on the devices may or may not direct the fan exhaust toward the patient or the sterile field. The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating the movement of the aerosolized NTM into the sterile field." Do you see that? 10 play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? 11 A. Yes. 12 A. Yes. 13 A. Yes. 14 Q. Is that the same mechanism of infection that puestion, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. 16 MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. 20 what Dr. Samet description was on - on - on the - on on the - on devices used. 21 Q. One of the issues in this litigation that was discussed in the McGovern study, which you are away of, is that the Bair Hugger night generate convection currents that results in increased 1 particles over the surgical site; correct? 2 A. Yes. Yes. 3 Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? 2 MR. GORDON: Well wast, wait, wait. You satred out with talking about convection currents, and movement of particles from air currents generated by the movement of particles from air currents generated by the Bair Hugger; correct? 2 MR. GORDON: Well wait, wait, wait. You saking him? 3 Q. Day of the issues in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? 2 MR. GORDON: Well wait, wait, wait. You saking him? 3 Q. Than sking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? 2 MR. GORDON: Well bavait, wait wait. You saking him? 3 Q. Day ou try to shore up your insunderstandi	5	A. Yes.	5	Q. And this bullet, which is from the CDC that
so not direct the fan exhaust toward the patient or the sterile field. The exhaust from cooling fans may also play a role in the airflow within the OST, possibly facilitating movement of the acrosolized NTM into the sterile field," correct? A. It possibly is. MR. GORDON: Object to the form of the classified in his report? MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. A. I - I don't recall the detail of how— what Dr. Samet's description was on—on—on—the—on the—on devices used. Q. One of the issues in this litigation that award of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 378 Page 380 Page	6	Q. And the fourth one down says, "The	6	we established, says that "The exhaust from cooling
sterile field. The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field," Do you see that? A. Yes. O. Is that the same mechanism of infection that problems of the sterile field." Do you see that? MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Are you asking him if he – if he has any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Spice to make any basis for – MR. GORDON: Well want – what to get an objection. I thought you were just, once again, reading the same sentence. If you're asking him to the sterile field." Does that describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Objection, asked and answered. MR. GORDON: Well want, wait, wait, vait, vait, wait, wait, wait, wait, wait, wait, w	7	orientation of the vent(s) on the devices may or may	7	fans may also play a role in the airflow within the
play a role in the airflow within the OR, possibly facilitating movement of the acrosolized NTM into the sterife field." Do you see that? A. Yes. Dr. Samet described in his report? MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. MR. A. I - I don't recall the detail of how on the on devices used. On one of the issue in this litigation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380 Pag	8	not direct the fan exhaust toward the patient or the	8	OR, possibly facilitating the movement of the
11 facilitating movement of the aerosolized NTM into the sterile field." Do you see that? 12	9	sterile field. The exhaust from cooling fans may also	9	aerosolized NTM into the sterile field;" correct?
sterile field." Do you see that? 1 A. Yes. Dr. Samet described in his report? MR. GORDON: Object to the form of the evidence, mischaracterizes the testimeny. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimeny. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimeny. MR. GORDON: Object to the form of the evidence, mischaracterizes the testimeny. MR. GORDON: Are you asking him if he if he has any basis for MR. GORDON: saying anything commenting on that? MR. SACCHET: No. I'm not. Corey. MR. GORDON: saying anything commenting on that? MR. GORDON: saying anything commenting on that? MR. GORDON: Will wait was the rest of my mischaracterizes the set of seasons of the save so that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380 A. Yes. Yes. A. Whill the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. A. Will mean you is that the sent page as what what are you asking him? MR. GORDON: Well wait, wait, you sat started out with talking about convection currents, now you're changing gears. What what are you asking him? MR. GORDON: Well wait, wit, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? MR. GORDON: Well bait, wait, wait. You the Bair Hugger, correct? MR. GORDON: Well bait, wait, wait. You the Bair Hugger, correct? MR. GORDON: Well bait, wait, wait. You the Bair Hugger correct? MR. GORDON: Well bait, wait, wait. You the Bair Hugger correct? MR. GORDON: Well bait, wait, wait. You the Bair Hugger correct? MR. GORDON: Well bait, wait, wait. You the Bair Hugger correct? MR. GORDON: Well bait, wait, wait. You the bair Hugger correct?	10	play a role in the airflow within the OR, possibly	10	A. It possibly is.
13	11	facilitating movement of the aerosolized NTM into the	11	
Dr. Samet described in his report? MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony, what Dr. Samet describtion was on - on - on the - on devices used. A. I - I don't recall the detail of how - what Dr. Samet's description was on - on - on the - on devices used. O One of the issues in this litigation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380	12	sterile field." Do you see that?	12	Q. Possibly?
Dr. Samet described in his report? MR. GORDON: Object to the form of the evidence, mischaracterizes the testimony. A. I - I don't recall the detail of how - was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380	13	A. Yes.	13	MR. GORDON: You read it right.
MR. GORDON: Object to the form of the question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. A. I.—I don't recall the detail of how—what Dr. Samet's description was on—on—on the—on what Dr. Samet's description was on—on—on the—on the—on devices used. Q. One of the issues in this litigation that was discussed in the McGovern study, which you are was discussed in the McGovern study, which you are as discussed in the McGovern study, which you are as was discussed in the McGovern study, which you are as discussed in the McGovern study, which you are as discussed in the McGovern study, which you are as was discussed in the McGovern study is the convection currents that results in increased Page 378 Page 378 Page 380 A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You starded out with talking about convection currents, now you're changing gears. What — what are you saking him? MR. GORDON: Well wait, wait, wait. You the Bair Hugger gears. What — what are you asking him? MR. GORDON: Well wait, wait, wait. You the Bair Hugger gears. What — what are you the Bair Hugger correct? MR. GORDON: Well wait, wait, wait. You the Bair Hugger correct? MR. GORDON: Well before you said convection currents, not— MR. GORDON: Well before you said convection and make the rest of my time. I'm not going to engage — MR. GORDON: How the grounds of lack of foundation. Q. Does this describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Well wait, wait, wait. You the proposed permits of the proposed pe	14	Q. Is that the same mechanism of infection that	14	A. Yes.
question, lack of foundation, assumes facts not evidence, mischaracterizes the testimony. A 1-1 doi'r trealth detail of how- what Dr. Samet's description was on - on - on the - on the on devices used. Q One of the issues in this litigation that aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380	15	Dr. Samet described in his report?	15	Q. Okay.
18	16	MR. GORDON: Object to the form of the	16	MR. GORDON: Are you asking him if he if
what Dr. Samet's description was on - on - on the - on devices used. Q. One of the issues in this litigation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380 Page	17	=	17	•
what Dr. Samet's description was on on on the on the on devices used. Q. One of the issues in this litigation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380 A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? to movy on re changing gears. What what are you asking him? MR. GORDON: Well wait, wait, wait, vait, vait, wait, you that laking about convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: You say you're changing that onw? commenting on that? MR. SACCHET: Please don't use the rest of my time. I'm not going to engage MR. GORDON: Well twant I want to get an objection. I thought you were just, once again, reading the same sentence. If you're asking him to	18	evidence, mischaracterizes the testimony.	18	· · · · · · · · · · · · · · · · · · ·
on the on devices used. Q. One of the issues in this litigation that was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380 A. Yes. Yes. Object on the grounds of lack of foundation. Q. Does this describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, vauit, vait, vait, vait you asking him? MR. GORDON: Well wait, wait, vou started out with talking about convection currents, now you're changing gears. What what are you asking him? MR. GORDON: Well before you said convection currents, for infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. GORDON: You say you're changing that now? A. Well I mean you asked me this question about No. I mean you asked me this question about it.	19	A. I I don't recall the detail of how	19	MR. GORDON: saying anything
22 Q. One of the issues in this litigation that 23 was discussed in the McGovern study, which you are 24 aware of, is that the Bair Hugger might generate 25 convection currents that results in increased 26 particles over the surgical site; correct? 2 A. Yes. Yes. 3 Q. This bullet says that "The exhaust from 4 cooling fans may also play a role in the airflow 5 within the OR, possibly facilitating movement of the 6 aerosolized NTM into the sterile field." Do you see 7 that? 8 MR. GORDON: Objection, asked and answered. 9 Q. You've seen it. 10 Does that describe a similar mechanism of 11 moving particles or bacteria to the sterile field? 12 MR. GORDON: Well wait, wait, wait. You 13 started out with talking about convection currents, 14 now you're changing gears. What — what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection described in the McGovern study is the 18 movement of particles from air currents generated by 19 the Bair Hugger, correct? 20 MR. GORDON: Well before you said convection 21 currents, not — 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 24 now? 25 making: one of the mechanism of currents, not — 26 MR. GORDON: You say you're changing that 27 my time. I'm not going to engage — 28 MR. GORDON: Well I want — I wobjection. I thought you were just, one apoin, reading the same sentence. If you're asking him to 26 make Gordon: Not be grounds of lack of foundation. 27 comment on it, I object on the grounds of lack of foundation. 28 comment on it, I object on the grounds of lack of foundation. 29 C. Does this describe a similar mechanism of infection as noted by McGovern et a lin the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. MR. GORDON: Well wait, wait, wait. MR. GORDON: Well wait, wa	20	what Dr. Samet's description was on on on the	20	commenting on that?
was discussed in the McGovern study, which you are aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 380	21	on the on devices used.	21	MR. SACCHET: Please don't use the rest of
aware of, is that the Bair Hugger might generate convection currents that results in increased Page 378 Page 378 Page 378 Page 380	22		22	
Page 378 Page 378 Page 380 Page 380 Page 380 particles over the surgical site; correct? A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: You say you're changing that own? Page 380 Page 380 Page 380 Comment on it, I object on the grounds of lack of foundation. Q. Does this describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I - I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A. Not when No. I mean you asked me this question about Q. You didn't know about it.	23	was discussed in the McGovern study, which you are	23	MR. GORDON: Well I want I want to get an
Page 378 particles over the surgical site; correct? A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the acrosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of mischion also mischaracterizes the evidence. MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well before you said convection currents, not MR. GORDON: Well well MR. GORDON: Well well MR. GORDON: Well well -	24	aware of, is that the Bair Hugger might generate	24	objection. I thought you were just, once again,
particles over the surgical site; correct? A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. MR. GORDON: Well wait, wait, wait. You asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, or MR. GORDON: You say you're changing that now? 10 Comment on it, I object on the grounds of lack of foundation. Q. Does this describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also MR. GORDON: Object to the form of the question, also lack of foundation, also MR. GORDON: Object to the form of the question, also lack of foundation, also MR. GORDON: Object to the form of the question, also lack of foundation. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your 15 misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	25	convection currents that results in increased	25	reading the same sentence. If you're asking him to
A. Yes. Yes. Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, vou started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection MR. GORDON: You say you're changing that now? A. Yes. Yes. Q. Does this describe a similar mechanism of infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I I r'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. You didn't investigate A. Not when No. I mean you asked me this question about No. I mean you asked me this question about Q. You didn't know about it.		Page 378		Page 380
Q. This bullet says that "The exhaust from cooling fans may also play a role in the airflow within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, and move currents, currents, not MR. GORDON: Well before you said convection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. McGovern is saying. A. Well I mean you just you just showed me this, A. Well I mean you just you didn't investigate A. Not when Q. You didn't investigate this. A. Not when No. I mean you asked me this question about it.			1	
4 cooling fans may also play a role in the airflow 5 within the OR, possibly facilitating movement of the 6 aerosolized NTM into the sterile field." Do you see 7 that? 8 MR. GORDON: Objection, asked and answered. 9 Q. You've seen it. 10 Does that describe a similar mechanism of 11 moving particles or bacteria to the sterile field? 12 MR. GORDON: Well wait, wait. You 13 started out with talking about convection currents, 14 now you're changing gears. What what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection as noted by McGovern et al in the study that you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, 18 movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection Currents, not MR. GORDON: Well before you said convection MR. GORDON: You say you're changing that MR. GORDON: You say you're changing that MR. GORDON: You say you're changing that A. Not when No. I mean you asked me this question about Q. You didn't know about it.			1	
within the OR, possibly facilitating movement of the aerosolized NTM into the sterile field." Do you see that? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. NR. GORDON: Objection, asked and answered. MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Chay. So you you didn't investigate A so how could I Q. You didn't investigate this. MR. GORDON: You say you're changing that aerosolized NTM into the sterile field." you have reviewed? MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.			1	-
6 aerosolized NTM into the sterile field." Do you see 7 that? 8 MR. GORDON: Object to the form of the 8 question, also lack of foundation, also 8 mischaracterizes the evidence. 9 Q. You've seen it. 10 Does that describe a similar mechanism of 11 moving particles or bacteria to the sterile field? 11 MR. GORDON: Well wait, wait. You 12 MR. GORDON: Well wait, wait. You 13 started out with talking about convection currents, 14 now you're changing gears. What what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection described in the McGovern study is the 18 movement of particles from air currents generated by 19 the Bair Hugger; correct? 10 MR. GORDON: You say you're changing that 20 MR. GORDON: You say you're changing that 21 ow? 22 MR. GORDON: You say you're changing that 23 about 24 now? 26 MR. GORDON: Object to the form of the 47 question, also lack of foundation, also mischaracterizes the evidence. 48 MR. GORDON: Object to the form of the 47 question, also lack of foundation, also mischaracterizes the evidence. 48 Mr. I'm not sure it 10 It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not 11 unclear as to whether how this relates to what 40 McGovern is saying. 40 Did you try to shore up your 41 misunderstanding or questions about that statement? 41 A. Well I mean you just you just showed me 41 this, 42 Q. Okay. So you you didn't investigate 43 Not when 44 Not when 45 No. I mean you asked me this question 45 about 46 Q. You didn't know about it.		• • • •	1	
that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of MR. GORDON: Well wait, wait, wait. You MR. GORDON: Well wait, wait, wait. You MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection MR. GORDON: You say you're changing that MR. GORDON: You say you're changing that MR. GORDON: You say you're changing that A. Well I mean you just you just showed me this, Q. You didn't investigate A. Not when No. I mean you asked me this question about Q. You didn't know about it.				
MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait. You MR. GORDON: Well wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection MR. GORDON: Well before you said convection MR. GORDON: You say you're changing that MR. GORDON: You say you're changing that Now? MR. GORDON: You say you're changing that MR. GORDON: You didn't know about it.	6	aerosolized NTM into the sterile field." Do you see	1	· ·
9 Q. You've seen it. 10 Does that describe a similar mechanism of 11 moving particles or bacteria to the sterile field? 12 MR. GORDON: Well wait, wait. You 13 started out with talking about convection currents, 14 now you're changing gears. What what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection described in the McGovern study is the 18 movement of particles from air currents generated by 19 the Bair Hugger; correct? 20 MR. GORDON: Well before you said convection 21 currents, not 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 20 Tyou didn't know about it. 21 It's un it's unclear. I mean just that 21 sentence, I can't figure out I I I'm not 24 unclear as to whether how this relates to what 24 It's un it's unclear. I mean just that 25 sentence, I can't figure out I I I I'm not 26 McGovern is saying. 26 A. WeGovern is saying. 27 Q. Did you try to shore up your misunderstanding or questions about that statement? 28 A. Well I mean you just you just showed me 29 A so how could I 20 Q. You didn't investigate 21 A. Not when 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 24 No. I mean you asked me this question 25 About 26 Q. You didn't know about it.	_		6	MR. GORDON: Object to the form of the
Does that describe a similar mechanism of 10		that?	6 7	MR. GORDON: Object to the form of the question, also lack of foundation, also
moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you sking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? MR. GORDON: You say you're changing that now? MR. GORDON: Well before you say you're changing that now? Sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8	that? MR. GORDON: Objection, asked and answered.	6 7 8	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence.
MR. GORDON: Well wait, wait. You 12 unclear as to whether how this relates to what 13 started out with talking about convection currents, 14 now you're changing gears. What what are you 15 asking him? 16 Q. I'm asking: One of the mechanisms of 17 infection described in the McGovern study is the 18 movement of particles from air currents generated by 19 the Bair Hugger; correct? 19 MR. GORDON: Well before you said convection 20 MR. GORDON: Well before you said convection 21 currents, not 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 24 now? 21 unclear as to whether how this relates to what McGovern is saying. 12 Unclear as to whether how this relates to what McGovern is saying. 13 McGovern is saying. 14 Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, 19 A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9	that? MR. GORDON: Objection, asked and answered. Q. You've seen it.	6 7 8 9	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it
started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection Currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? MCGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of	6 7 8 9 10	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that
now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field?	6 7 8 9 10 11	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not
asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? 15 misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You	6 7 8 9 10 11 12	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what
Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents,	6 7 8 9 10 11 12 13	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I'm not unclear as to whether how this relates to what McGovern is saying.
infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? this, 18 Q. Okay. So you you didn't investigate 20 Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13 14	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you	6 7 8 9 10 11 12 13 14	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your
movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? 18 Q. Okay. So you you didn't investigate 19 A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13 14 15	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him?	6 7 8 9 10 11 12 13 14 15	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement?
the Bair Hugger; correct? MR. GORDON: Well before you said convection Currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? 19 A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13 14 15	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of	6 7 8 9 10 11 12 13 14 15	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me
MR. GORDON: Well before you said convection 20 Q. You didn't investigate this. 21 currents, not 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 24 now? Q. You didn't investigate this. A. Not when 22 No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13 14 15 16	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the	6 7 8 9 10 11 12 13 14 15 16	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this,
21 currents, not 22 MR. SACCHET: Okay. 23 MR. GORDON: You say you're changing that 24 now? 21 A. Not when 22 No. I mean you asked me this question 23 about 24 Q. You didn't know about it.	8 9 10 11 12 13 14 15 16 17 18	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by	6 7 8 9 10 11 12 13 14 15 16 17 18	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate
MR. SACCHET: Okay. MR. GORDON: You say you're changing that now? No. I mean you asked me this question about Q. You didn't know about it.	8 9 10 11 12 13 14 15 16 17 18	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct?	6 7 8 9 10 11 12 13 14 15 16 17 18	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I
23 MR. GORDON: You say you're changing that 23 about 24 now? 24 Q. You didn't know about it.	8 9 10 11 12 13 14 15 16 17 18 19 20	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this.
24 now? 24 Q. You didn't know about it.	8 9 10 11 12 13 14 15 16 17 18 19 20 21	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay.	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question
A. " a limitute delote. I tituli t kilow about	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about
	8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	that? MR. GORDON: Objection, asked and answered. Q. You've seen it. Does that describe a similar mechanism of moving particles or bacteria to the sterile field? MR. GORDON: Well wait, wait, wait. You started out with talking about convection currents, now you're changing gears. What what are you asking him? Q. I'm asking: One of the mechanisms of infection described in the McGovern study is the movement of particles from air currents generated by the Bair Hugger; correct? MR. GORDON: Well before you said convection currents, not MR. SACCHET: Okay. MR. GORDON: You say you're changing that now?	6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24	MR. GORDON: Object to the form of the question, also lack of foundation, also mischaracterizes the evidence. A. I'm not sure it It's un it's unclear. I mean just that sentence, I can't figure out I I I'm not unclear as to whether how this relates to what McGovern is saying. Q. Did you try to shore up your misunderstanding or questions about that statement? A. Well I mean you just you just showed me this, Q. Okay. So you you didn't investigate A so how could I Q. You didn't investigate this. A. Not when No. I mean you asked me this question about Q. You didn't know about it.

95 (Pages 377 to 380)